Cosmic Origins Program Analysis Group

Shouleh Nikzad
COPAG Executive Committee Chairperson
9 January 2023

agenda

Introduction Shouleh Nikzad 5 mins

Stars SIG Rachael Beaton 10 mins

Galaxies SIG Benne Holwerda 10 mins

• UV STIG Stephan McCandliss 10 mins

IR STIG Meredith MacGregor and Jake Connors 10 mins

AGN SIG Shobita Satyapal 10 mins

• Discussion Stephan McCandliss – ideas for a Habitable

Worlds Observatory Science Interest Group

What is Cosmic Origins Program Analysis Group (COPAG)?

The COPAG serves as a community-based, interdisciplinary forum for soliciting and coordinating community analysis and input in support of Cosmic Origin objectives and of their implications for architecture planning and activity prioritization and for future exploration. It provides findings of analyses to the NASA Astrophysics Division Director.

Science

- future great observatories (c.f. Astro 2020 decadal survey)
- Science gaps & precursor science

Technology

- Astrophysics technology gaps
- Biennial Technology Report

People

- State of the profession
- Diversity, Equity and Inclusion

Executive Committee

<u>Member</u>	<u>Term</u>	<u>Institution</u>
Shouleh Nikzad (Chair)	April 2022–October 2024	Jet Propulsion Laboratory
Stephan McCandliss	November 2018–October 2024	Johns Hopkins University
Christine Chen	November 2020–January 2024	Space Telescope Science Institute
Chris Hayward	November 2020–January 2024	Flatiron Institute
Sabrina Stierwalt	November 2020–January 2024	Occidental College
Hsiao-Wen Chen	April 2022–October 2024	Univeristy of Chicago
Enrique Lopez Rodriguez	April 2022–October 2024	Stanford University
Rachael Beaton	January 2023–October 2025	Space Telescope Science Institute
Sanchayeeta Borthakur	January 2023–October 2025	Arizona State University

Manuel Bautista (Executive Secretary, Ex-Officio)NASA HQPeter Kurczynski (COR Program Office, Ex-Officio)NASA/GSFC

Welcome New Members!

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November 20



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s University escope Science

Chris Hayw

Sabrina Stierwalt

Hsiao-Wen Chen

Enrique Lopez Rodriguez

Rachael Beaton

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April 2022-October 2024

April 2022-October 2024

January 2023–October 2025

Flatiron Institute





Sanchayeeta Borthakur

Manuel Bautista (Executive Secretary, Ex-Officio)

Peter Kurczynski (COR Program Office, Ex-Officio)

NASA HQ

NASA/GSFC

How can I get involved?

Visit the Cosmic Origins website

https://cor.gsfc.nasa.gov

https://cor.gsfc.nasa.gov/copag/

• Join the Cosmic Origins email distribution list

COR-News-join@lists.nasa.gov with Subject=

Join a Science Interest Group

https://cor.gsfc.nasa.gov/sigs/sigs.php

Cosmic Uriq

About Cosmic Origins

How did we get here?

Answering this question is one of the key goals in NASA's Astrophysics Division, and is the main objective of its Cosmic Origins (COR) Program.

Here are some of the topics our work focuses on:

- . Stellar lifecycles and the evolution of the elements
- Early formation and evolution of planetary systems Archaeology of the Milky Way and its neighbors
- History and evolution of galaxies and supermassive black holes
- First light and reionization

No one mission or observatory can provide all the answers. The Cosmic Origins Program includes telescopes that together operate across much of the electromagnetic spectrum From the iconic Hubble Space Telescope's groundbreaking science to the future discoveries awaiting us with the James Webb Space Telescope and more to come, Cosmic Origin's facilities help us in our search for answers to the biggest questions about our universe and its

8–12 January 1023! The January AAS meeting is the largest yearly gathering of astronomers in Neth Arrie ca. The Cosmic Origins Program Office supports a number of sessions and an exhibit booth at this meeting!

For information on Cosmic Origins Program related sessions at the AAS meeting, click

If you're at the meeting, stop by the NASA Exhibit Booth and say "Hi!"

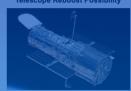
Here are some other ways you can get involved with Cosmic Origins:

How you can get involved

- Join a Science Interest Group: https://discourses.com/li>



NASA, SpaceX to Study Hubble Telescope Reboost Possibility



COR News and Events

Current and Upcoming Events

Continuing Call for Nominations to the Cosmic Origins Program Analysis Group (COPAG) Executive Committee. »

8-12 January 2023

241st meeting of the American Astronomical Society, Seattle, Washington

Program News and Announcements

2 December 2022

Analysis Group » Details

17 November 2022

Cosmic Origins Program Analysis Group

https://cor.gsfc.nasa.gov

How can I get involved?

Habitable Worlds Observatory

- Science Interest Group?
- · Discussion later in this session
- Stay connected by joining an email distribution list https://forms.gle/XEdp2H5vhRmseSJbA

Extra slides

